

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000187

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01R15/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 473 244 A (LIBOVE ET AL) 5 December 1995 (1995-12-05)	1-8,10
A	abstract; figures 3,4,5A,8,10,12,13A column 8, line 54 - line 56 -----	11,12
Y	US 4 090 130 A (WILLENBECHER, JR. ET AL) 16 May 1978 (1978-05-16)	1-8,10
A	abstract; figures 1,3-6 column 1, line 47 - line 61 column 3, line 67 - column 4, line 21 -----	11,12
A	US 4 611 207 A (ANDERSON ET AL) 9 September 1986 (1986-09-09) abstract; figure 1 -----	1-8, 10-12 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

29 April 2005

10/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 531 880 B1 (SCHNEIDER JOHN M ET AL) 11 March 2003 (2003-03-11) abstract; figure 1 column 2, line 58 - line 67 -----	1-8, 10-12
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 09, 4 September 2002 (2002-09-04) & JP 2002 131341 A (OSAKA GAS CO LTD), 9 May 2002 (2002-05-09) cited in the application abstract; figure -----	1-8, 10-12
A	WO 01/79869 A (SUPARULES LIMITED; SORENSEN, THOMAS) 25 October 2001 (2001-10-25) abstract; figure 1 page 10, line 25 - page 11, line 2 -----	1

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5473244	A 05-12-1995	NONE		
US 4090130	A 16-05-1978	NONE		
US 4611207	A 09-09-1986	NONE		
US 6531880	B1 11-03-2003	US 6737871 B1		18-05-2004
JP 2002131341	A 09-05-2002	NONE		
WO 0179869	A 25-10-2001	AU 4871801 A		30-10-2001
		EP 1277060 A1		22-01-2003
		WO 0179869 A1		25-10-2001
		IE 20010370 A2		17-10-2001
		US 2003112000 A1		19-06-2003